

The committee to which was referred the paper of Prof. Loomis, reported in favour of its publication in the Transactions, which was ordered accordingly, and the committee discharged.

The decease of Richard Rush, a member of this Society, (elected Jan. 17, 1817), was announced by Dr. Bache, as having occurred in July last. On motion of Judge Sharswood, it was ordered that Mr. C. F. Ingersoll be requested to prepare an obituary notice of the deceased.

The paper of Com. Wüllerstorff was referred to a Committee consisting of Prof. Kendall, Prof. F. Rogers and Prof. Cresson.

Prof. Cresson made an oral communication on the auroræ boreales, which occurred on the evenings of Aug. 28th and Sept. 1st, and described minutely their various changes of appearance. Remarks were made by Prof. Trego, Dr. Emerson, Dr. Coates and Prof. Lesley.

Pending nomination No. 392, and new nomination No. 393, were read, and the Society was adjourned.

Stated Meeting, October 7, 1859.

Present, fifteen members.

Prof. CRESSON, Vice-President, in the Chair.

Letters were read from E. Uricoechea, President of the New Grenada Society of Naturalists, dated Bogota, 10—8, 1859, desiring the publications of this Society;—from Capt. Wilkes, U. S. N. dated Washington, Sept. 29, announcing the transmission of a donation for the library:—from the Conn. Hist. Soc. dated Hartford, acknowledging the receipt of No. 61 of the Proceedings;—and from Col. Graham dated Chicago, Sep. 20, enclosing the following addition to his contributions No. 3.

VII. ASHTABULA, OHIO.

Station.—The centre of the North Public Square, bounded on the north by a lane thirty feet wide, on the south by Division street, on the east by Main street, and on the west by Park street.

VIII. ERIE, PENNSYLVANIA.

At the end of this article, and immediately preceding the closing

paragraph which begins with the words "my duties required me to return to Chicago," &c., insert the following, viz:

From the above determination of the position of our observing station, and measurements therefrom of the azimuths and distances to other points as laid down on a "Map of the Borough of Erie, with the water lots and harbour, made by order of the Burgess and Town Council of the Borough of Erie, in 1837, under the supervision of T. S. Brown, Civil Engineer," we obtain the latitudes and longitudes of said positions within the City and harbour of Erie, as follows, viz:

POSITIONS IN THE CITY AND HARBOUR OF ERIE, PENNSYLVANIA.	North Latitude.	Longitude West of the Meridian of Greenwich.	
		In Arc.	In Time.
1. Centre of the Public Park, or intersection of the axes of State street and Sixth street, produced,	42° 07' 51.5"	80° 05' 35.3"	5 h. 20 m. 22.35 s.
2. Steeple of the Court House, north side of Sixth street, between Peach and Sassafras streets, - - - -	42 07 49.3	80 05 45.23	5 20 23.01
3. The Light House, - - - -	42 08 42.7	80 04 15.7	5 20 17.04
4. The Beacon Light at the lake-ward end of the U. S. west pier,	42 09 16.7	80 05 07.5	5 20 20.5
5. Stone monument (supposed to have been placed by Andrew Elliott), at the west corner of Parade and Front streets, inscribed as follows, viz: "1795 Lat. 42° 08' 14'' Var. 0° 43' E." - -	42 08 20.8	80 05 17.2	5 20 21.15
6. Depot of the Erie and Buffalo Rail Road, (the Passenger-house),	42 07 19.8	80 05 21.6	5 20 21.44

XXIII. CLEVELAND, OHIO.

In lieu of the last page under this head, substitute the following:

According to the above, we give as the approximate positions of other points in Cleveland, the following, viz:

POSITIONS IN THE CITY OF CLEVELAND, OHIO.	Approximate North Latitude.	Approximate Longitude West of the Meridian of Greenwich.	
		In Arc.	In Time.
1. The new Court House, - - -	41° 30' 05"	81° 42' 06.1"	5 h. 26 m. 48.4 s.
2. The Light House, situated at the southern corner of Water and Lighthouse streets, - - - -	41 30 07.6	81 42 31.5	5 26 50.1
3. The Beacon Light at the end of the U. S. harbour-pier, - - -	41 30 16.5	81 43 01.1	5 26 52

Capital should read *Capitol* on pages 105 (line 26), 106 (bottom line), 108 (lines 2, 3, 6), 115 (lines 21, 22), 117 (lines 19, 20, 24), 119 (lines 2, 3, 11), of Proceedings No. 61.

The following donations for the Library were announced:—

Astronomical Journal, No. 127. Cambridge.—*From the Editor.*
 Journal Acad. Nat. Sci. Philadelphia, IV. 2.—*From the Academy.*
 Observations on the Genus Unio. VII. 1.—*From Isaac Lea.*
 Quarterly Journal, Royal Dublin Society. XIV.—*From the Soc.*
 Quar. Jour. Chem. Soc. XII. 2. (XLVI). Lond.—*From the Soc.*
 Annales des Mines. XIV. 6 liv. of 1858.—*Ingenieurs des Mines.*
 Estatutos . . . S. N. Neo Granadinos.—*From the Society.*
 Med. News and Lib. No. 202. Phila.—*From Blanchard & Lea.*
 Amer. Jour. Med. Sci. No. LXXVI.—*From Blanchard & Lea.*
 Report on Deep River by Capt. Wilkes, 1858.—*From the Author.*
 Geol. R. on S. W. Br. Pacific R. R. by Swallow.—*From the Author.*
 Recherches sur l'origine des roches; Delesse.—*From the Author.*
 Caloric; by Dr. Metcalfe. 2 Vols. Philada. 1859.—*Dr. F. Bache.*
 Essais sur l'hygrometrie; Saussure. Neuch. 1783.—*Dr. F. Bache.*

The decease of the eminent botanist, Thomas Nuttall, a member of the Society (elected Oct. 17, 1817), in Lancashire, England, Sept. 10, 1859, was announced by Dr. Bache, and Mr. Durand was requested to prepare an obituary notice of the deceased.

A quorum for the enacting of laws not being present, the special business of the meeting was postponed.

A communication was presented for the Transactions, entitled ANALYTICAL ORTHOGRAPHY; AN INVESTIGATION OF THE SOUNDS OF THE VOICE AND THEIR ALPHABETIC NOTATION, by *S. S. Haldeman, A.M.*, which was referred to a committee consisting of Prof. Lesley, Dr. Le Conte and Judge King.

On motion of Mr. Foulke, it was resolved that the amendments of the By-Laws shall be the special order of each stated meeting until finally disposed of.

Pending nominations Nos. 392 and 393, were read.

On motion of Mr. Trego, it was resolved that the Society of Naturalists of New Grenada, at Bogota, be made a corresponding Society; and the Society was adjourned.